## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION IN                          | ITIALS | ID NO. | DATE |
|--------------------------------------|--------|--------|------|
| PETERMINATION                        |        |        |      |
| FEE DETERMINATION                    |        |        |      |
|                                      |        |        |      |
| O.I.P.E. CLASSIFIER FORMALITY REVIEW |        |        |      |

## INDEX OF CLAIMS Rejected N Non-elected Interference Allowed I Interference - (Through numeral) Canceled A Appeal - Restricted 0 Objected

| ,,,            | lute         | <u>,</u>   |         |          | _        |          |          | _             | _            | _        | _             | í.          | г           |      |          |         |    |          |              |          | ate      |  |        |         |              | - 1        | ı        | Cla      | ım l     |     |        |          |         | Dat      | ω.             |         |                |     |           |              |
|----------------|--------------|------------|---------|----------|----------|----------|----------|---------------|--------------|----------|---------------|-------------|-------------|------|----------|---------|----|----------|--------------|----------|----------|--|--------|---------|--------------|------------|----------|----------|----------|-----|--------|----------|---------|----------|----------------|---------|----------------|-----|-----------|--------------|
| im             | T            |            | · ·     | -        | Da       | te       | _        | •             | 3            | _        | ٠             |             | 19          | Clai | m        | -       |    | r.       | _            | Т        | 110      | -  | Т      | _       | Т            | ┥          | ŀ        | _        |          |     |        |          |         | Г        |                | Π       | Т              | T.  | Ţ.,       | 1:           |
|                | 8            | 4          | 3/23/03 | 15       | 7        | Τ.       | ŀ        | 1             | ٠            |          |               |             | 4           |      | ᅙ        | Solecte |    | ١,       | 1            | 12       | 1        | -  |        | 1       | ١.           |            |          | 7        | Original |     | - 1    |          |         |          | 1              | 1       |                |     |           | 1.           |
| Driginal       | 5/10/00      | 19         | 7       |          |          | 1        | 4        | 1             |              | ١.       | ١.            | 1           | ١           | Fina | Original | X       |    | ١        | 1            |          | 1        |  | 1      | 1       | 1            |            | 1        | Ë        | Ĕ        |     | ı      |          |         | ١.       | 1              | 1       |                | 1   | L         | ]            |
| 뚪              | Š            | 1.5        | K       | ľ        |          | 1        |          |               |              |          | Ŀ             |             | 1           | 띠    | 0        | 3       | _  | +-       | +-           | +        | ÷        | +  | +      | +       | +            | 4          |          | F        | 110      | Н   |        |          |         | Г        | Τ              | 1       | Т              | Т   | T         | 1            |
| 17             | 1            | ⊁          |         | ١.       | Τ        | 1        | Т        | $\overline{}$ | :            |          | _             | 1           | ļ           |      | 51       | ¥       | L  | ╀        | +            | +        | +        | 4-   | +      | +       | +            | $\dashv$   |          | H        | 112      |     |        |          | ┪       | t –      | 1              | T       | T              | 1   | Т         | 7            |
| V              | <del>,</del> | 1          | 17      | T        | 1        | 1        | T        | -             | ٠,           | , :      |               | <u>}</u> '. |             |      | 52       | Ц       | L  | L        | 1            | +        | +        | 4  | +      | +       | +            | ᅥ          |          | ┝        | 113      |     | Н      |          | ┝       | +        | t              | +       | 1              | 1   | T         | 1            |
| H              | #            | 1.         | 1       | 1        | 1        | +        | T        | 1             | 1.           | Г        | 1.            | 1           | -1          | ٠.   | 53       | Ц       |    | 1_       |              | L        |          | 1  | -      | -1-     | 4            | 4          |          | <b> </b> | 114      |     | -      | ١.       | ۰       | ╁╴       | ╁              | ╈       | +              | +   | 十         | ٦.           |
|                |              | +-         | +       | $\vdash$ | +        | +        | +        | 7.            |              | Ι.       | 1             | 1           | Ī           | 7.   | 54       |         | L  | L        |              | 1        | 1        | -1   | 4      | -       | 4            | -1         | Ţ        | ⊢        | 115      |     | -      | 1        | H       | ╁        | +              | +       | +              | 1   | 1         | ٦            |
| $\mathbf{H}$   | 1            | <b>)</b> - | +       | +        | +        | +        | +        | .             | Η.           | 1        | 1             | ٦.          | Ì           | -    | 55       |         |    |          |              | 1        | $\perp$  | 1  | _      | - 1     | _            | ᅬ          | ٠,       | $\vdash$ |          |     | H      | -        | -       | +        | ╁              | , ,     | +              | +   | +         | ٦            |
|                | ш            | 1          | +       | 1        | ╁        | +        | +        |               | -            | H        | +-            | ٦.          | 1           |      | 56       | П       | Т  |          | Т            | ٦,       |          | - 1  |        | $\perp$ |              | $\dashv$   |          | Ŀ        | 110      |     | _      | -        | 1       | ╁        | +              | +       | ╁              | +   | +         | ٦            |
| Ц              | Ш            | Ц.         | 1       | 1.       | 1        | +        | -+       |               |              | 1        | +             | 1           |             |      | 57       |         | T  | 1        |              | 7        | П        |  | -      | 4.      |              |            | ٠.       | L        | 111      |     | ئتا    | 1        | 1       | 4-       | 12             | +       | +              | ╁   | +         | 4            |
|                | L            | II.        | 1       | 1        | 1        | 4        | 4        |               | -            | 1        | ╁             | +           |             | Ι.   | 58       |         | T  | 1        | 1            | 7        | T        |  | -      | _       | 4            |            | •        | Ŀ        | 11       |     | L      | L        | ╀       | 4-       | +              | 4       | 4              | +   | +         | -1           |
|                | ŧĹ           | 11_        | 1       |          | 1        | 4        | _        |               | ļ.           | ŀ        | +             | ٦.          |             | -    | 59       |         | ╁  | +        | 1            | +        | 寸        |  | 7.     |         |              |            |          | Г        | 11       | 9   | Ŀ      | ┖        | L       | 1        | 4              | 4       | _              | 4   | +         | 4            |
| $\cdot \sqcap$ | <u>آ</u> و   |            | Ŀ       | 1        |          |          | _        | 4             | -            | ļ.       | +             | 4           |             | H    |          |         | +  |          | +            | +        | 1        | -1   | -      |         | -            | $\neg$     | 35       | Г        | 11       | 0   | Ł.     |          | L       | L        | 1              | 4       | 4              | 4   | +         | 4            |
| Ti             | Ы            | 1          | 1       | Ŧ        | T        |          |          |               | Ŀ            | 1        | ŀ             | 4           |             | ښا   | 60       |         |    | +        | -+           | -1       | -        | $\dashv$   |        |         | _            |            |          | Т        | 11       | 1   |        | Τ        | 7:      | T        | L              |         | $\perp$        |     | 4         | _            |
| 1.             | 11.          | ╫          |         | Ŧ        |          | П        | νį       | 4,1           | Ŀ            | 1        | L             | 1           |             | _    | 1_       | _       | -  | +        | +            | -+       |          |  |        |         |              | -          | 1.       |          | 111      | 2   | 1      | Т        | Т       | Τ        | Ŧ              | $\perp$ | $\perp$        |     |           |              |
| 4              | þΤ           | #-         | 1       | 1        | 1        | П        | ٦        | 1             | Ŀ            |          |               | 1           |             | Ŀ    | 62       | _       | 4  | 4        | +            | +        | -1       | _  |        | Н       | -            | 1          | 1        | ۲        | 11       |     | T      | T        | T       | T        | T              | Т       | $\perp \Gamma$ |     | •         | ر ز          |
| +;             | 3            | #:         | +       | +        | 1        | 1        |          | r .           | Τ            | T        | J.            | 3           | 1.1         | L    | 6        |         | 1  | 4        | 4            | 4        | -1       |  | _      | -       | -            | -          | 1        | +        |          | 14  | 1      | +        | Τ       | 丁        | T              | · 1     | Т              |     | $\exists$ | . ,          |
| +              | H            | ₩          | +       | +        | +        | 1        | 5        |               | 1            | 1        | 1             | ٦           | 2           | F    | 6        | 4       |    | 1        |              |          |          | لنبا   | 7.     |         | μ.           | 1          | 1        | +        |          | 15  | +      | +        | +       | +        | _              | Ţ       |                |     | $\neg$    | ξ,           |
| 41             | 4<br>5       | #          | +       | +        | +        | +        | ÷        | 1             | +            |          | 1             | 1           | Ċ           |      | 6        | 5       | T  | $\cdot $ | ×            |          |          | ٺ  | ,,     |         | L            | 1          | '        | -        |          |     | +      | +        | +       | +        | $\dashv$       | -1      | +              | , 1 | 7         | <del>.</del> |
| Ш              |              | #          |         | +        | $\dashv$ | $\dashv$ |          | 1.            | +            | +        | 1             | 1           | ų,          | 17   | 6        | 6       | T  | T        |              |          |          |  |        |         | L            | 100        | 4        | L        |          | 16  | +      | +        | +       | +        | $\dashv$       | -1      | -1             | _   | -1        | , .:         |
| Ŋ              | Ρ.           | 11         | 1       | 1        | H        | -        |          | -             | +            | ť        | +             | $\dashv$    | <u>.</u> تي | 1    | 6        |         | 1  | 7        |              |          |          |  | 1      | Ŀ       | Ŀ            | Ŀ          | 1        |          |          | 17  | 4      | 4        | +       | +        | -+             |         | $\dashv$       |     | 7         | _            |
| J              |              | $\perp$    | 41      | _        |          | _        | -        | Ļ.            | 1            | +        | +             | $\dashv$    |             | ۲    |          | _       | 7  | -        | -            | -        |          | 15   | П      | T       | Г            | Ţ          | 1:       | L        |          | 18  | 1      | 1        | 4       | 4        | 4              |         | <del>.  </del> | -   | ٠         | ٠.           |
| Ţ              | B            | N          | 1       |          |          |          | _        | L             | ٠.           | -        | 4             | -1          | - 1         | H    | _        |         | +  | -        | 4            |          |          |  | 1.     |         | Г            | Т          | 7        | T        | _  ı     | 19  | 4      | 1        | 1       | _        |                |         | Ш              | -   | Н         | ļ            |
| 7              | 19           | 7.         | 1       |          |          | ٦.,      |          | 1-            | - 1_         | 1        | 1             |             |             | 1    | _        | 9       | +  |          |              | H        |          | 1  | +      | 1       | †            | 1          | 1        | 1        | 1        | 20  | T      | ٦,       |         | ~        |                | 4.      |                | .2  | 2         | Ľ            |
| _              | 20           | 1          | 1       | П        |          |          |          |               | 1            | -        | - 1           | 173         |             | ١L   |          | ro      | _  | _        | Ŀ            | ļ.,      | -        | 1  | 1      | H       | ╁            | ╁          | ┨;       | ŀ        | _        | 121 | _      | 1        |         | 7        |                | ,       |                | Ľ   |           | L            |
|                |              | 1          | H       | -1       | ÷        | 8-       | 1        | 1             | $\top$       | ╗        | 1             |             |             | Ţ,   | $T_i$    | 71      |    |          | L            | 1:       | L        | ⊥_   | ╀      | 1       | ╀            | +          | 4        | - [      |          | 22  | +      | -†       | 一       | 7        | 10             | Г       |                | Г   |           | Γ            |
|                | 21           | -+         | ₩       |          | -,-      | H        | t        | 十             | :†           |          |               | _           | -           | Г    | 17       | 72      |    |          | l . <u>.</u> | L        | <u>:</u> |  | 1      | 4       | ╀            | +-         | 4.       | ŀ        |          | 23  | +      | +        | 7       | 一        |                |         |                | Г   | Г         | Γ            |
|                | 22           |            | 44      | 4        | -        | <u> </u> | ╁        | ╁             | +            | 7        | -             | -           | . ,         | 1    |          | 73      |    |          |              |          |          |  |        | ┸       | 1            | 1          | 4        | - 1      | - 1      |     | -+     | +        | -1      | $\dashv$ |                | -       | +              | 1   | ┰         | t            |
|                | 23           |            | 11      |          |          | Ŀ        | +        | 1             | +            | $\dashv$ | -             |             | 1           | ۲    |          | 74      | ╗  |          | ١.           | Τ        | Т        | Т  | ٦.     | Ŧ.      | L            | $\perp$    | ٠ اـ     | ١ ١      |          | 124 | 4      | -        | -       | الن      | <del>  -</del> | ⊢       | +-             | ╁   | +         | t            |
| - 1            | 24           |            | Ш       |          |          | <u> </u> | L        | 4             | 4            | $\dashv$ | Н             |             | 1           | H    | - 1      | 75      |    | ┢        | t            | ╁        |          | Τ  | 1      | Τ       | Ţ            |            |          | l        |          | 125 | 4      | _        |         | لـــا    | ├-             | ├-      | ╀              | ╁   | ╁╴        | 十            |
|                | 25           |            | 11      |          | L        | _        | L        | 1             | -1           | _        | Н             | _           | 1           | ŀ    |          | 76      |    | ├─       | $\vdash$     | ١.       | +        | ┪  | $\top$ | Т       | Т            | Т          | ٦        |          |          | 126 |        | _        |         | L_       | <u> </u>       | <b></b> | +-             | H   | +-        | ٠            |
|                | 26           |            | П       |          |          | ١        | L        | L             | $\perp$      |          | Ш             | _           | 1           | 1    |          |         |    | ┝        | ╁╴           | ╀        | ┿        | 十  | ╅      | +       | $^{\dagger}$ | 1          | 7        |          |          | 127 |        |          |         | <u>_</u> | L              | 1_      | Ľ              | ╀   | 1         | +            |
| _              | 27           |            | П       |          | Г        | Т        | Т        | П             | - 1          |          |               |             | 1           | L    |          | 77      | _  | ┡        | ╀            | ╀        | ╀        | ╁  | ╫      | ╅       | +            | +          | ٦.       |          |          | 128 |        |          |         | <u></u>  | L              | L       | 丄              | 1   | 4         | 4            |
| _              | 28           | Н          | Н       |          | Ι.       | Т        | Т        | Т             | $\neg$       |          |               | _           | 1           | L    | _        | 78      |    | 1_       | ¥÷           | ╄        | +        | ┰  | +      | ╌       | +            | +          | ٦        |          | Т        | 129 | $\neg$ |          |         |          | l _            | L       | 丄              | L   | 1         | 1            |
|                | 29           | $\vdash$   | Н       | $\vdash$ | 1        | T        | +        | ┪             | _            | _        | Г             | Γ           | 7           | - 1  |          | 79      | L  | L        | 1            | 4        | 1        | 4  | +      | +       | +            | +          | -        |          | ┝        | 130 | $\neg$ | _        | _       | Г        | Γ              | Т       | L              | L   | 丄         | 1            |
| _              | 30           | +-         | Н       | H        | ╁╴       | +-       | +        | $\dashv$      | $\neg$       |          | Т             | Γ           | 7           | ſ    |          | 70      | _  | 1_       | L            | ┸        | 1        | 1  | 4      | +       | 4            | -+         | $\dashv$ |          | ├        | 131 | $\neg$ |          | ┢       | Т        | Τ              | Т       | Т              | Т   | L         |              |
|                |              |            | H       | ┞        | ┰        | +        | ╁        | $\dashv$      | _            | _        | 1             | t           | 1           | - 1  |          | 81      | Π  | Т        | 1            | _L       | L        | ᆚ  | 4      | 4       | 4            | -          | 4        |          | ├        | 132 | Н      | _        | -       | +        | †              | $\top$  | Т              | Т   | Τ         | Т            |
| <u>`</u>       | 31           |            | H       | -        | ╁        | ╀        | +        | +             |              | ⊢        | ┰             | ╁           | ┪           |      | _        | 82      | Γ  | Т        | Т            | 1        | 1        |  | _L     | _       | _            | 4          | 4        |          | <u> </u> |     |        | ├─       | ┝       | 十        | +              | +       | +              | 1   | T         | T            |
|                | 32           |            | 11      | Ļ        | 1        | 4        | 4        | -1            |              | ┝        | ╁             | ╁           | $\dashv$    |      | _        | 83      |    | 1        | 1            | 7        | $\top$   | Т  | 7      | ٦.      |              |            | ᆚ        |          | _        | 133 |        | ├-       | ├-      | ╁╴       | ┿              | ┿       | +              | 十   | :1-       | 7            |
|                | 33           |            | Ш       | <u>/</u> | L        | ┸        | 4        | 4             | _            | <u> </u> | ╀             | ╀           | 4           |      | _        | 84      |    | +-       | 十            | ╅        | $\top$   | 1  | $\neg$ | T       | 7            |            | $\Box$   |          | L        | 134 |        | <u> </u> | ⊢       | ╀        | ╁              | ╁       |                | ╌   | 十         | +            |
| Ŀ              | 34           | Ι.         | V       |          | L        | ┸        | 4        | _             |              | <b>├</b> | 4-            | +-          | 4           |      | μ-       | 85      | _  | +-       | +            | +        | 十        | $\neg$   | 7      | 7       | ٦            |            |          |          | L        | 135 |        | ┞-       | ╄       | +        | +              | +       | ╌              | +   | +         | 7            |
| Г              | 35           | 5          | 1       | 1        | 1_       | L        |          |               |              | L        | 1_            | ┺           | 4           |      | ⊢        | 86      |    | ╁        | +            |          | +        | +  | _      | _       | ┑            |            |          |          | Γ.       | 136 |        | _        | ┺       | 4        | +              | +       | +              | +   | +         | -            |
| Г              | 30           | 5          | T       | П        | T        | Т        | T        |               | L            | L        | $\perp$       | 1           | _           |      | <u> </u> | 1       |    | +        | +            | +        | +        | -+   | -+     | -       | -            | ┌┤         |          |          | Г        | 137 | 1_     | L        | L       | 1        | 1              | +       | +              | 4   | +         | $\dashv$     |
| $\vdash$       | 3            |            | T       | П        | Т        | $\top$   | ╗        |               | Г            |          |               |             | ⅃           |      | L        | 87      |    | +        | +            | -        | +        | -+   | -+     | -+      |              | Н          | Н        |          |          | 138 | 3      |          | L       | $\perp$  | 丄              | 4       | $\bot$         | 4   | 4         | 4            |
| ۲              | 3            |            | +-      | Ħ        | +        | $\top$   | 7        | _             |              | Τ        | Τ             | T           |             |      | L        | 88      |    | $\perp$  | 4            | 4        | _        |  |        | -+      |              | Н          | ⊢        |          | T        | 139 | _      | T        | Τ       | T        | _[             | $\perp$ | ᆚ              | _   | 4         | _            |
| $\vdash$       | 3            |            | +       | ╫        | +        | +        | $\dashv$ | _             | 1            | T        | +             | $\top$      | $\neg$      |      | Г        | 8       | 9  | $\perp$  | ┙            |          | _        | _  | _      |         | _            | -          | -        | 1        | $\vdash$ | 14  | _      | Τ        | 1       | T        | Т              | T       |                |     |           |              |
| ١,             | _1_          | _          | +       | ╫        | +        | +        | -1       | -             | $\vdash$     | †        | $\top$        | +           | 7           |      | Γ        | 9       | ٥  | I        |              | J        |          |  |        |         | _            | <b>-</b> - | ļ        | 1        | -        | 14  |        | +        | +       | +        | 十              | $\top$  | Т              | T   | T         | _            |
| Ц              |              | 0          | 4       | 4        | 4        | -+       | 4        |               | ╁            | ┿        | +             | +           | ᅥ           |      | 卜        | 9       | 1  | T        | 寸            | T        |          |  |        |         |              | L_         | L        | 1        | $\vdash$ |     |        | +        | +       | +        | +              | +       | +              | +   | ヿ         | _            |
| 1              |              | 11         | 1       | Ш        | $\perp$  | $\perp$  | _        | _             | 4            | +        | 4             | +           | 긕           |      | -        | 19      | _  | +        | -†           | -        | $\dashv$ | $\neg$   |        |         |              |            | L        | 1        | L        | 14  |        | +        | +       | +        | +              | +       | +              | -+  | +         | _            |
| Γ              | \$ 4         | 2          | T       | $\prod$  | _[       |          | اِ       | L             | L            | 1        | _             | 4           | _           |      | -        | _       | _  | +        | $\dashv$     | -+       | -1       | Н  |        | М       | Г            | Τ          |          |          | L        | 14  | -      | 1        | +       | +        | -              | -+      | +              | -+  | -+        | _            |
| ۲              | 14           | 13         | 7       | 7        | T        | Т        | _ ]      | L             | L            | $\perp$  | $\perp$       | 4           | _           |      | -        | _       | 3  | +        | $\dashv$     | $\dashv$ | 1        | <del>                                     </del> | -      | _       | Ι-           | 1          | Γ        | 1        | Γ        | 14  |        | L        | ┙       | 4        | 4              | _       | _              |     | -+        | Ė            |
| ۲              |              | 14         | 十       | 71       | ヿ        | _        | _        | Π             | T            | T        | 1             | $\rfloor$   |             |      | L        |         | 14 | 4        |              |          |          | ├  | ├-     | -       | ┝            | $t^-$      | $t^-$    | 1        |          | 14  | 15     | I        | $\perp$ | _        | _              | _       | _              | _   |           | -            |
| +              |              | 15         | +       | +        | Н        | -1       | _        | T             | T            | $\top$   | $\neg \Gamma$ | ٦           |             | 1    | L        |         | 5  | _        | $\Box$       | $\sqcup$ | !        | -  | -      | ├-      | $\vdash$     | +          | +-       | 1        | ۲        | 14  | 16     | T        | T       | _T       | ⅃              |         | ل              | _   | لن        | Ľ            |
| -              |              |            | +       | +        | Н        | -        | _        | ✝             | $^{\dagger}$ | +        | 7             | ┪           | _           | 1    | Γ        | ીંદ     | 6  |          |              |          |          | <u> </u>   | 1      | ↓_      | ╀            | ╀          | ╁╌       | 1        | ۲        | 1/2 |        | 十        | 1       | 丁        | コ              |         | ı. I           |     |           | L            |
| Ľ              |              | 46         | +       | +        | Н        |          | _        | +             | +            | +        | +             | 7           | _           | 1    | Γ        | 1       | 7  | П        |              |          | L        | L  | L      | L-      | ┡            | +          | +        | 4        | .  -     |     | 48     | +        | +       | 7        | 7              | $\neg$  | $\sqcap$       |     |           | Ĺ            |
| L              | _            | 47         | 4       | 4        | H        |          | _        | ╀             | +            | +        | +             | -           | _           | 1    | r        | 7       | 8  | ┪        |              |          |          | Ĺ  | L      | _       | ┖            | $\perp$    | 4        | 4        | -        |     | -      | +        | +       | 一        | -              | _       | $\sqcap$       |     | Г         | L            |
|                |              | 48         | $\perp$ | _        | Ц        | إسا      | L        | +             | +            | +        | -+            | -1          | -           | 1    | H        |         | 99 | ┪        | _            | _        | Γ        | Г  |        | L       | L            | $\perp$    | 1_       | 4        | 1        |     | 49     | +        | +       | -+       |                | -       | $\Box$         | _   | Г         |              |
| г              | -7           | 49         | - i     | - 1      | 1        | 1        | l        | 1             | -1           | - 1      | - 1           |             | l           |      | L        |         | 00 | _        | _            |          | +        | _  | 1      | 1       | 1            | 1          | 1        | -1       | - 1      | n:  | 50     | •        | _1      | 1        |                |         |                |     |           |              |

If more than 150 claims or 10 actions staple additional sheet here

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